



Department of  
Environmental Quality

Air Resources Management Bureau • P.O. Box 200901 • Helena MT 59620-0901 • (406) 444-3490

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APR 12 2007

## MONTANA AIR QUALITY PERMIT APPLICATION FOR PORTABLE SOURCES

Montana Department of Environmental Quality  
Air Resources Management Bureau  
Permitting Section Supervisor  
1520 E. Sixth Avenue  
P.O. Box 200901  
Helena, MT 59620-0901  
Telephone: (406) 444-3490 FAX (406) 444-1499

For State of Montana Use Only	
Permit Application Number	
Application Fee Paid with Application?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No Amount Paid
AREV Facility #	FP ID #

This application, any associated fees, and the affidavit of publication of the attached public notice must be mailed to the above address. Instructions for filling out this form are contained in the Instructions and Suggested Format document available from the Department of Environmental Quality (Department). Please contact the Department Air Resources Management Bureau if you have any questions regarding this permit application

### § 1.0 GENERAL FACILITY INFORMATION AND SITE DESCRIPTION

Permit Type (check one): ☒ New Facility ☐ Modification to Existing Permit

If applying for a new facility or an alteration to an existing permit, a permit application fee and an affidavit of publication must be submitted to the department at the above address.

Affidavit of Publication of Public Notice ☐ Attached ☒ Forthcoming  
Permit Application Fee ☒ Attached ☐ Forthcoming

Facility Name & Address (As registered with the Montana Secretary of State)		
XYZ Contracting, Inc.		
123 Main Street		
Butte	MT	59701
City	State	Zip

FACILITY LOCATION		
ABC P.T.		
Ennis MT 59729		
City	State	Zip
SE 1/4 S16	55	1W
Section (to nearest 1/4)	Township	Range
Madison County		
County		

Narrative Description of Site Approximately 3 miles North of Ennis on Highway 287  
Existing gravel pit located .2 miles north of mile marker 52, 300' east of Highway  
(including nearby roads, towns, landmarks, etc.)

Owner's Name <Name> Telephone 406-782-#  
Facility Manager's Name <Name> Telephone 406-782-#  
Contact Person <Name> Telephone 406-782-#  
person to contact regarding this application

Total Property Area (acres) 1 Current Number of Employees 5

Will the facility be operating in a PM-10 nonattainment area or within 10 kilometers of a nonattainment area?

☒ No or ☐ Yes

If you check yes, list which nonattainment area(s) the facility will be operating in or near.

Name of DEQ Contact \_\_\_\_\_  
If you have been dealing with Department of Environmental Quality personnel

§ 1.1 Process Flow Diagram (Attach a box diagram of the equipment's set-up and describe the process.)

§ 1.2 Project and Site Informational Request (Complete attached informational request.)

The estimated time for the Department to process and act on a correctly completed application form is 60 days (i.e. 60 days from receipt of a correctly completed application to issuance of a final permit). The Department has 30 days to notify an applicant that their application is incomplete. The Department shall make a preliminary determination within 40 days after receiving a complete and filed application. A Department decision must be made within 60 days after receiving a complete application. The Department decision is not final unless 15 days have elapsed from the date of the department decision and there is no request for a hearing before the Board of Environmental Review. (Different time frames apply if an Environmental Impact Statement is required or if the Major Facility Siting Act is applicable. Provisions also exist in rule for extending the time for issuing a department decision). Please refer to ARM 17.8.706(2), ARM 17.8.720 and 75-2-211 MCA.

Montana Air Quality Permit Application

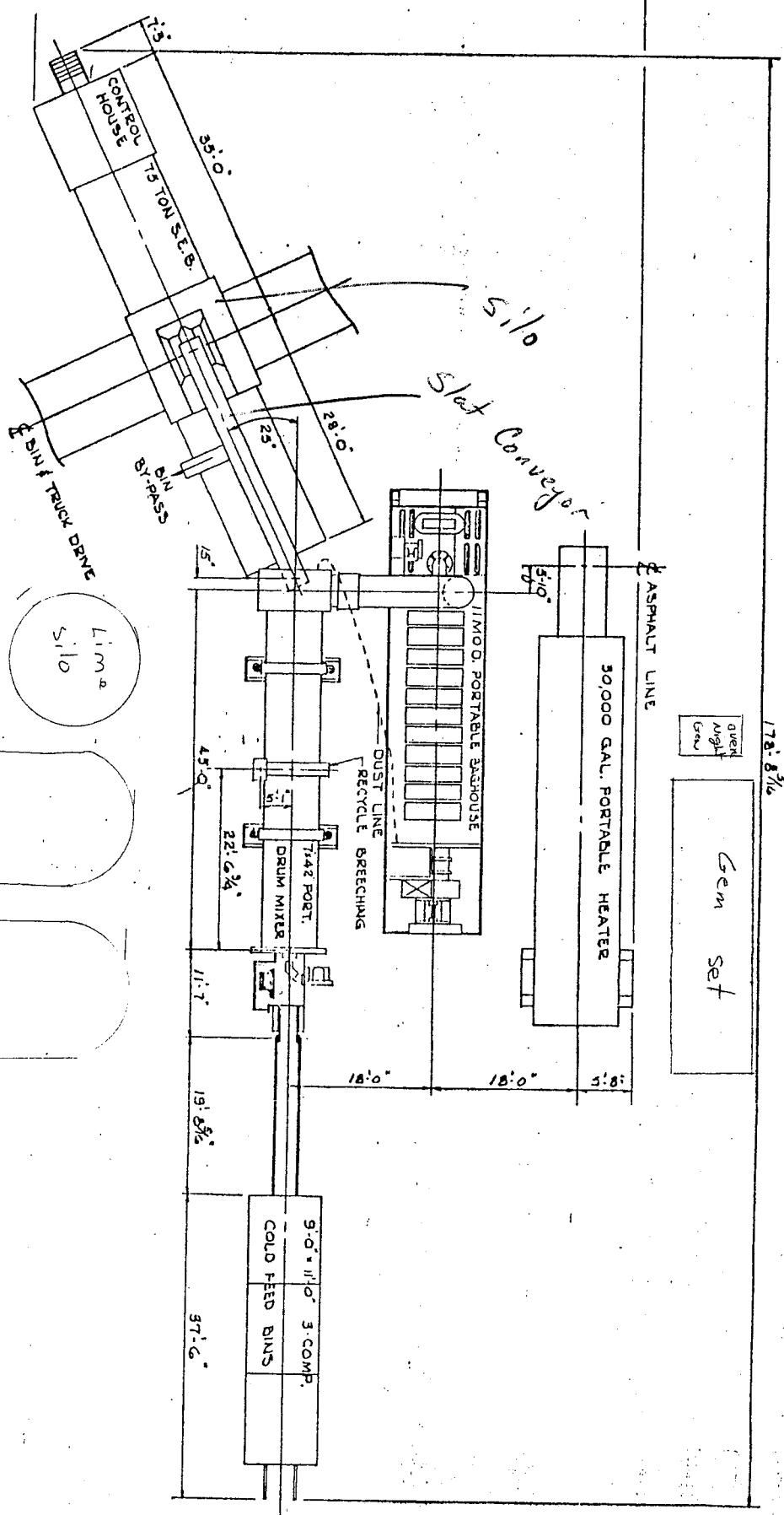
Last Updated: March 17, 2004

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## § 2.0 PROCESS EQUIPMENT LISTING

Attach a list of all existing and proposed process equipment. For each piece of process equipment that is identified in this section, a separate Section 4.0 must be completed.

[illegible]



### § 3.0 EMISSION INVENTORY

The Department can complete this section for the applicant.

☒ Please check this box if the applicant would like the department to complete this section.

#### Plant/Project-Wide Emission Inventory

Provide a complete emission inventory listing emission levels for all regulated air pollutants from existing and proposed equipment. Clearly show how the emissions were calculated.

Emissions Unit Identification: \_\_\_\_\_

Potential Emissions Summary: *(Include emission rates in units consistent with any applicable standards or test methods. Attach calculations.*

Regulated Air Pollutant	Emission Rate(s) (Include any additional applicable units or averaging periods)			
	(Lb/Hour)	(Tons/Year)	(Alternate averaging periods)	
PM <sub>10</sub>				
SO <sub>2</sub>				
Pb				
NO <sub>x</sub>				
VOC				
CO				
Other (specify):				
Other (specify):				
Other (specify):				
Other (specify):				
Other (specify):				
Other (specify):				

§ 4.0 PROCESS EQUIPMENT/PROCESS INFORMATION

A separate Section 4.0 must be completed for each piece of process equipment listed in Section 2.0.

§ 4.1 Process Equipment Identification: Drum Mixer

§ 4.2 Narrative Process Equipment/Process Description (attach additional sheets as necessary):

Aggregate + Sand Material are heated & dried. Hot asphalt  
801 Gs added & mixed

§ 4.3 Process Equipment Description:

Process Equipment Identification:

Make Astec Model PRFM-427  
Type Continuous Flow Size 7' x 42'  
Serial Number 84089 Year of Manufacture 1986  
Fuel Type All Fuel Types (Hauck 75 HP Burner)  
Diesel

Emitting Unit Location: [Note: UTM coordinates are available on any USGS map]

Universal Transverse Mercator (UTM) Zone \_\_\_\_\_ Elevation (feet) \_\_\_\_\_  
UTM Easting Coordinate (nearest 0.01 km) \_\_\_\_\_  
UTM Northing Coordinate (nearest 0.01 km) \_\_\_\_\_

Stack Information: (if applicable)

Height (feet) 32 (20' stack 12' Fan unit) Diameter (feet) width 27" x Length 40"  
Exit Gas Temperature (°F) 300 °F Exit Gas Flow Rate (ACFM) 38,000  
Exit Gas Velocity (feet/second) 86

Process Information: (Indicate Units)

Type of Material Processed Asphalt  
Average Process Rate (tons/hr, gal/hr, etc.) 200 TPH  
Maximum Rated Design Process Rate (ton/hr, gal/hr, etc.) 250 TPH

Percent Annual Thruput: (Percent of the applicant's work done in each time frame. The percentages entered for the four time frames must add up to 100%.)

December - February 0 June - August 40  
March - May 20 September - November 40

Operating Schedule:

Hours/Day 10 Hours/Year 1400  
Days/Week 5 Weeks/Year 30

§ AIR POLLUTION CONTROL EQUIPMENT INFORMATION

A separate Section 5.0 must be completed for each piece of process equipment listed in Section 2.0. If a piece of equipment does not have pollution control equipment then the applicant should indicate that no control equipment is used.

§ 5.1 Process Equipment Identification: Drum Mixer

§ 5.2 Primary Pollution Control Equipment or Description of Procedure: Baghouse

§ 5.3 Proposed Operational Limitations: (if any) 250 TPH

50 t/hr/wk

§ 5.4 Primary Air Pollution Control Equipment Identification: (if applicable)

Make Astec Model PSFS-41

Type Filter Fabric Size 380 Filter bags

Serial Number 34089 Year of Manufacture 1986

Fuel Type N/A

Estimated Control Efficiency 94 gr/dscF particulate Emissions / 6% opacity

Estimated Cost of Pollution Control Equipment 100,000.00

§ 5.5 Emissions Control Analysis:

Provide a Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER)  
Analysis as applicable. Address each regulated air pollutant.

§ 5.6 Stack Height and Dispersion Technique Analysis: (completed if modeling is required)

§ 5.7 Ambient Air Quality Impact Analysis:

Particulate Emissions Report (Attached)  
State of Washington, Date 9/2006

§ 4.0 PROCESS EQUIPMENT/PROCESS INFORMATION

A separate Section 4.0 must be completed for each piece of process equipment listed in Section 2.0.

§ 4.1 Process Equipment Identification: Silo w/ Slat Conveyor

§ 4.2 Narrative Process Equipment/Process Description (attach additional sheets as necessary):  
The Slat conveyor takes hot asphalt from the drum mixer to the silo. The asphalt is stored in the silo until it is loaded through bottom gates into trucks.

§ 4.3 Process Equipment Description:

Process Equipment Identification:

Make Astec Model SEB-75  
Type Self-erecting Size 75 TON  
Serial Number HP78-84089 Year of Manufacture 1986  
Fuel Type electric

Emitting Unit Location: [Note: UTM coordinates are available on any USGS map]

Universal Transverse Mercator (UTM) Zone \_\_\_\_\_ Elevation (feet) \_\_\_\_\_

UTM Easting Coordinate (nearest 0.01 km) \_\_\_\_\_

UTM Northing Coordinate (nearest 0.01 km) \_\_\_\_\_

Stack Information: (if applicable)

Height (feet) \_\_\_\_\_ Diameter (feet) \_\_\_\_\_

Exit Gas Temperature (°F) \_\_\_\_\_ Exit Gas Flow Rate (ACFM) \_\_\_\_\_

Exit Gas Velocity (feet/second) \_\_\_\_\_

Process Information: (Indicate Units)

Type of Material Processed Asphalt

Average Process Rate (tons/hr, gal/hr, etc.) 200 TPH

Maximum Rated Design Process Rate (ton/hr, gal/hr, etc.) 250 TPH

Percent Annual Thruput: (Percent of the applicant's work done in each time frame. The percentages entered for the four time frames must add up to 100%.)

December- February 0 June - August 40

March - May 20 September - November 40

Operating Schedule:

Hours/Day 10 Hours/Year 1400

Days/Week 5 Weeks/Year 30

**§ AIR POLLUTION CONTROL EQUIPMENT INFORMATION**

A separate Section 5.0 must be completed for each piece of process equipment listed in Section 2.0. If a piece of equipment does not have pollution control equipment then the applicant should indicate that no control equipment is used.

§ 5.1 Process Equipment Identification: Silo with Slat Conveyor

§ 5.2 Primary Pollution Control Equipment or Description of Procedure: NONE

§ 5.3 Proposed Operational Limitations: (if any) 250 TPH  
50 H/wk

§ 5.4 Primary Air Pollution Control Equipment Identification: (if applicable)

Make NONE Model \_\_\_\_\_  
Type \_\_\_\_\_ Size \_\_\_\_\_  
Serial Number \_\_\_\_\_ Year of Manufacture \_\_\_\_\_  
Fuel Type \_\_\_\_\_  
Estimated Control Efficiency \_\_\_\_\_  
Estimated Cost of Pollution Control Equipment \_\_\_\_\_

§ 5.5 Emissions Control Analysis:

Provide a Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) Analysis as applicable. Address each regulated air pollutant.

§ 5.6 Stack Height and Dispersion Technique Analysis: (completed if modeling is required)

§ 5.7 Ambient Air Quality Impact Analysis:

#### § 4.0 PROCESS EQUIPMENT/PROCESS INFORMATION

A separate Section 4.0 must be completed for each piece of process equipment listed in Section 2.0.

§ 4.1 Process Equipment Identification: 4 Bin Feeder with Conveyor

§ 4.2 Narrative Process Equipment/Process Description (attach additional sheets as necessary):

Aggregate & Sand Material From Feeder to drum.

§ 4.3 Process Equipment Description:

Process Equipment Identification:

Make	<u>ASTEC</u>	Model	<u>PFE-40</u>
Type	<u>Feeder Conveyor</u>	Size	<u>30'</u>
Serial Number	<u>84089</u>	Year of Manufacture	<u>1986</u>
Fuel Type	<u>electric</u>		

Emitting Unit Location: [Note: UTM coordinates are available on any USGS map]

Universal Transverse Mercator (UTM) Zone \_\_\_\_\_ Elevation (feet) \_\_\_\_\_

UTM Easting Coordinate (nearest 0.01 km) \_\_\_\_\_

UTM Northing Coordinate (nearest 0.01 km) \_\_\_\_\_

Stack Information: (if applicable)

Height (feet) \_\_\_\_\_ Diameter (feet) \_\_\_\_\_

Exit Gas Temperature (°F) \_\_\_\_\_ Exit Gas Flow Rate (ACFM) \_\_\_\_\_

Exit Gas Velocity (feet/second) \_\_\_\_\_

Process Information: (Indicate Units)

Type of Material Processed Aggregate & Sand material

Average Process Rate (tons/hr, gal/hr, etc.) 200 TPH

Maximum Rated Design Process Rate (ton/hr, gal/hr, etc.) 250 TPH

Percent Annual Thruput: (Percent of the applicant's work done in each time frame. The percentages entered for the four time frames must add up to 100%.)

December - February 0 June - August 40

March - May 20 September - November 40

Operating Schedule:

Hours/Day 10 Hours/Year 1400

Days/Week 5 Weeks/Year 30

## § AIR POLLUTION CONTROL EQUIPMENT INFORMATION

A separate Section 5.0 must be completed for each piece of process equipment listed in Section 2.0. If a piece of equipment does not have pollution control equipment then the applicant should indicate that no control equipment is used.

§ 5.1 Process Equipment Identification: 4 Bin Feeder with ~~Scatter~~ Conveyor

§ 5.2 Primary Pollution Control Equipment or Description of Procedure: material is wet as it moves through the Feeder into the drum for drying, minimal dust produced - no pollution control

§ 5.3 Proposed Operational Limitations: (if any) ~~200 TPH~~ 250 TPH, 0.5 50 lbs/wk

§ 5.4 Primary Air Pollution Control Equipment Identification: (if applicable)

Make NONE Model \_\_\_\_\_  
Type \_\_\_\_\_ Size \_\_\_\_\_  
Serial Number \_\_\_\_\_ Year of Manufacture \_\_\_\_\_  
Fuel Type \_\_\_\_\_  
Estimated Control Efficiency \_\_\_\_\_  
Estimated Cost of Pollution Control Equipment \_\_\_\_\_

§ 5.5 Emissions Control Analysis:

Provide a Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) Analysis as applicable. Address each regulated air pollutant.

§ 5.6 Stack Height and Dispersion Technique Analysis: (completed if modeling is required)

§ 5.7 Ambient Air Quality Impact Analysis:

#### § 4.0 PROCESS EQUIPMENT/PROCESS INFORMATION

A separate Section 4.0 must be completed for each piece of process equipment listed in Section 2.0.

§ 4.1 Process Equipment Identification: Recycle Bin Screen & Conveyor

§ 4.2 Narrative Process Equipment/Process Description (attach additional sheets as necessary):  
screens recycled asphalt & moves it to drum for  
mixing

§ 4.3 Process Equipment Description:

Process Equipment Identification:

Make	<u>Deister</u>	Model	<u>USM-1410.B</u>
Type	<u>Vibrating Screen</u>	Size	<u>4'X10'</u>
Serial Number	<u>34396</u>	Year of Manufacture	<u>1986</u>
Fuel Type	<u>electric</u>		

Emitting Unit Location: [Note: UTM coordinates are available on any USGS map]

Universal Transverse Mercator (UTM) Zone	<u></u>	Elevation (feet)	<u></u>
UTM Easting Coordinate (nearest 0.01 km)	<u></u>		
UTM Northing Coordinate (nearest 0.01 km)	<u></u>		

Stack Information: (if applicable)

Height (feet)	<u></u>	Diameter (feet)	<u></u>
Exit Gas Temperature (°F)	<u></u>	Exit Gas Flow Rate (ACFM)	<u></u>
Exit Gas Velocity (feet/second)	<u></u>		

Process Information: (Indicate Units)

Type of Material Processed	<u>Recycled Asphalt</u>
Average Process Rate (tons/hr, gal/hr, etc.)	<u>50 TPH</u>
Maximum Rated Design Process Rate (ton/hr, gal/hr, etc.)	<u>100 TPH</u>

Percent Annual Thruput: (Percent of the applicant's work done in each time frame. The percentages entered for the four time frames must add up to 100%.)

December - February	<u>0</u>	June - August	<u>40</u>
March - May	<u>20</u>	September - November	<u>40</u>

Operating Schedule:

Hours/Day	<u>10</u>	Hours/Year	<u>1400</u>
Days/Week	<u>5</u>	Weeks/Year	<u>30</u>

## § AIR POLLUTION CONTROL EQUIPMENT INFORMATION

A separate Section 5.0 must be completed for each piece of process equipment listed in Section 2.0. If a piece of equipment does not have pollution control equipment then the applicant should indicate that no control equipment is used.

§ 5.1 Process Equipment Identification: Recycle Bin Screen & Conveyor

§ 5.2 Primary Pollution Control Equipment or Description of Procedure: NO pollution control

§ 5.3 Proposed Operational Limitations: (if any) 100 T.P.H.  
50 Hrs/wk

§ 5.4 Primary Air Pollution Control Equipment Identification: (if applicable)

Make	<u>NONE</u>	Model	
Type		Size	
Serial Number		Year of Manufacture	
Fuel Type			
Estimated Control Efficiency			
Estimated Cost of Pollution Control Equipment			

§ 5.5 Emissions Control Analysis:

Provide a Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) Analysis as applicable. Address each regulated air pollutant.

§ 5.6 Stack Height and Dispersion Technique Analysis: (completed if modeling is required)

§ 5.7 Ambient Air Quality Impact Analysis:

§ 4.0 PROCESS EQUIPMENT/PROCESS INFORMATION

A separate Section 4.0 must be completed for each piece of process equipment listed in Section 2.0.

§ 4.1 Process Equipment Identification: 600 KW Diesel Generator

§ 4.2 Narrative Process Equipment/Process Description (attach additional sheets as necessary):  
Produces Electricity to operate plant

§ 4.3 Process Equipment Description:

Process Equipment Identification:

Make	<u>TBD</u>	Model	<u>TBD</u>
Type	<u>TBD</u>	Size	<u>NOT TO EXCEED 600KW</u>
Serial Number	<u>TBD</u>	Year of Manufacture	<u>TBD</u>
Fuel Type	<u>Diesel</u>		

Emitting Unit Location: [Note: UTM coordinates are available on any USGS map]

Universal Transverse Mercator (UTM) Zone	<u></u>	Elevation (feet)	<u></u>
UTM Easting Coordinate (nearest 0.01 km)	<u></u>		
UTM Northing Coordinate (nearest 0.01 km)	<u></u>		

Stack Information: (if applicable)

Height (feet)	<u></u>	Diameter (feet)	<u></u>
Exit Gas Temperature (°F)	<u></u>	Exit Gas Flow Rate (ACFM)	<u></u>
Exit Gas Velocity (feet/second)	<u></u>		

Process Information: (Indicate Units)

Type of Material Processed	<u>Electricity</u>
Average Process Rate (tons/hr, gal/hr, etc.)	<u>400 KW</u>
Maximum Rated Design Process Rate (ton/hr, gal/hr, etc.)	<u>600 KW not to exceed</u>

Percent Annual Thruput: (Percent of the applicant's work done in each time frame. The percentages entered for the four time frames must add up to 100%.)

December- February	<u>0</u>	June - August	<u>40%</u>
March - May	<u>20</u>	September - November	<u>40</u>

Operating Schedule:

Hours/Day	<u>10</u>	Hours/Year	<u>1400</u>
Days/Week	<u>5</u>	Weeks/Year	<u>30</u>

## § AIR POLLUTION CONTROL EQUIPMENT INFORMATION

A separate Section 5.0 must be completed for each piece of process equipment listed in Section 2.0. If a piece of equipment does not have pollution control equipment then the applicant should indicate that no control equipment is used.

§ 5.1 Process Equipment Identification: 600 Kw Diesel Generator

§ 5.2 Primary Pollution Control Equipment or Description of Procedure: None

§ 5.3 Proposed Operational Limitations: (if any) \_\_\_\_\_

§ 5.4 Primary Air Pollution Control Equipment Identification: (if applicable)

Make <u>None</u>	Model _____
Type _____	Size _____
Serial Number _____	Year of Manufacture _____
Fuel Type _____	
Estimated Control Efficiency _____	
Estimated Cost of Pollution Control Equipment _____	

§ 5.5 Emissions Control Analysis:

Provide a Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) Analysis as applicable. Address each regulated air pollutant.

§ 5.6 Stack Height and Dispersion Technique Analysis: (completed if modeling is required)

§ 5.7 Ambient Air Quality Impact Analysis:

#### § 4.0 PROCESS EQUIPMENT/PROCESS INFORMATION

A separate Section 4.0 must be completed for each piece of process equipment listed in Section 2.0.

§ 4.1 Process Equipment Identification: 75 KW Diesel Generator

§ 4.2 Narrative Process Equipment/Process Description (attach additional sheets as necessary):

used to power the heater in the oil storage tank  
when the plant is not operating

§ 4.3 Process Equipment Description:

Process Equipment Identification:

Make	<u>TBD</u>	Model	<u>TBD</u>
Type	<u>TBD</u>	Size	<u>NOT TO EXCEED 75 KW</u>
Serial Number	<u>TBD</u>	Year of Manufacture	<u>TBD</u>
Fuel Type	<u>Diesel</u>		

Emitting Unit Location: [Note: UTM coordinates are available on any USGS map]

Universal Transverse Mercator (UTM) Zone	<u></u>	Elevation (feet)	<u></u>
UTM Easting Coordinate (nearest 0.01 km)	<u></u>		
UTM Northing Coordinate (nearest 0.01 km)	<u></u>		

Stack Information: (if applicable)

Height (feet)	<u></u>	Diameter (feet)	<u></u>
Exit Gas Temperature (°F)	<u></u>	Exit Gas Flow Rate (ACFM)	<u></u>
Exit Gas Velocity (feet/second)	<u></u>		

Process Information: (Indicate Units)

Type of Material Processed	<u>Electricity</u>
Average Process Rate (tons/hr, gal/hr, etc.)	<u>15 KW</u>
Maximum Rated Design Process Rate (ton/hr, gal/hr, etc.)	<u>75 KW NOT TO EXCEED</u>

Percent Annual Thruput: (Percent of the applicant's work done in each time frame. The percentages entered for the four time frames must add up to 100%.)

December - February	<u>0</u>	June - August	<u>40</u>
March - May	<u>20</u>	September - November	<u>40</u>

Operating Schedule:

Hours/Day	<u>14</u>	Hours/Year	<u>2100</u>
Days/Week	<u>5</u>	Weeks/Year	<u>30</u>

**§ AIR POLLUTION CONTROL EQUIPMENT INFORMATION**

A separate Section 5.0 must be completed for each piece of process equipment listed in Section 2.0. If a piece of equipment does not have pollution control equipment then the applicant should indicate that no control equipment is used.

§ 5.1 Process Equipment Identification: 75 KW Diesel Generator

§ 5.2 Primary Pollution Control Equipment or Description of Procedure: NONE

§ 5.3 Proposed Operational Limitations: (if any) \_\_\_\_\_

§ 5.4 Primary Air Pollution Control Equipment Identification: (if applicable)

Make	<u>NONE</u>	Model	_____
Type	_____	Size	_____
Serial Number	_____	Year of Manufacture	_____
Fuel Type	_____		
Estimated Control Efficiency	_____		
Estimated Cost of Pollution Control Equipment	_____		

§ 5.5 Emissions Control Analysis:

Provide a Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) Analysis as applicable. Address each regulated air pollutant.

§ 5.6 Stack Height and Dispersion Technique Analysis: (completed if modeling is required)

§ 5.7 Ambient Air Quality Impact Analysis:

§ 4.0 PROCESS EQUIPMENT/PROCESS INFORMATION

A separate Section 4.0 must be completed for each piece of process equipment listed in Section 2.0.

§ 4.1 Process Equipment Identification: Lime Silo

§ 4.2 Narrative Process Equipment/Process Description (attach additional sheets as necessary):

Stores lime, an asphalt additive, until it is blown  
by a fan into the drum mixer

§ 4.3 Process Equipment Description:

Process Equipment Identification:

Make Ross Fastway  
Type Self erect Silo  
Serial Number 798 240-2  
Fuel Type electric

Model \_\_\_\_\_  
Size 14 TONS  
Year of Manufacture 1998

Emitting Unit Location: [Note: UTM coordinates are available on any USGS map]

Universal Transverse Mercator (UTM) Zone \_\_\_\_\_ Elevation (feet) \_\_\_\_\_  
UTM Easting Coordinate (nearest 0.01 km) \_\_\_\_\_  
UTM Northing Coordinate (nearest 0.01 km) \_\_\_\_\_

Stack Information: (if applicable)

Height (feet) \_\_\_\_\_ Diameter (feet) \_\_\_\_\_  
Exit Gas Temperature (°F) \_\_\_\_\_ Exit Gas Flow Rate (ACFM) \_\_\_\_\_  
Exit Gas Velocity (feet/second) \_\_\_\_\_

Process Information: (Indicate Units)

Type of Material Processed lime  
Average Process Rate (tons/hr, gal/hr, etc.) 2.8 TONS/hr  
Maximum Rated Design Process Rate (ton/hr, gal/hr, etc.) 3.5 TONS/hr

Percent Annual Thruput: (Percent of the applicant's work done in each time frame. The percentages entered for the four time frames must add up to 100%.)

December- February \_\_\_\_\_ June - August 40  
March - May 20 September - November 40

Operating Schedule:

Hours/Day 10 Hours/Year 1400  
Days/Week 5 Weeks/Year 30

## § AIR POLLUTION CONTROL EQUIPMENT INFORMATION

A separate Section 5.0 must be completed for each piece of process equipment listed in Section 2.0. If a piece of equipment does not have pollution control equipment then the applicant should indicate that no control equipment is used.

§ 5.1 Process Equipment Identification: Lime Silo

§ 5.2 Primary Pollution Control Equipment or Description of Procedure: N/A - closed system does not discharged anything into the environment

§ 5.3 Proposed Operational Limitations: (if any) 2.8 TONS/hr  
~~3.5 TONS~~

§ 5.4 Primary Air Pollution Control Equipment Identification: (if applicable)

Make	<u>Fastway</u>	Model	
Type	<u>self erect silo</u>	Size	<u>14 tons</u>
Serial Number	<u>798240-2</u>	Year of Manufacture	<u>1998</u>
Fuel Type	<u>electric</u>		
Estimated Control Efficiency			
Estimated Cost of Pollution Control Equipment			

§ 5.5 Emissions Control Analysis:

Provide a Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) Analysis as applicable. Address each regulated air pollutant.

§ 5.6 Stack Height and Dispersion Technique Analysis: (completed if modeling is required)

§ 5.7 Ambient Air Quality Impact Analysis:

#### § 4.0 PROCESS EQUIPMENT/PROCESS INFORMATION

A separate Section 4.0 must be completed for each piece of process equipment listed in Section 2.0.

§ 4.1 Process Equipment Identification: lime Storage Trailer

§ 4.2 Narrative Process Equipment/Process Description (attach additional sheets as necessary):  
Stores lime until it is blown by fan into the  
lime silo

§ 4.3 Process Equipment Description:

Process Equipment Identification:

Make	<u>Trailmobile</u>	Model	
Type	<u>Pneumatic</u>	Size	<u>20 TON</u>
Serial Number	<u>T 40330</u>	Year of Manufacture	<u>1978</u>
Fuel Type	<u>electric</u>		

Emitting Unit Location: [Note: UTM coordinates are available on any USGS map]

Universal Transverse Mercator (UTM) Zone		Elevation (feet)	
UTM Easting Coordinate (nearest 0.01 km)			
UTM Northing Coordinate (nearest 0.01 km)			

Stack Information: (if applicable)

Height (feet)		Diameter (feet)	
Exit Gas Temperature ( $^{\circ}$ F)		Exit Gas Flow Rate (ACFM)	
Exit Gas Velocity (feet/second)			

Process Information: (Indicate Units)

Type of Material Processed	<u>Stores lime</u>
Average Process Rate (tons/hr, gal/hr, etc.)	<u>20 TONS/hr</u>
Maximum Rated Design Process Rate (ton/hr, gal/hr, etc.)	<u>20 TONS/hr</u>

Percent Annual Thruput: (Percent of the applicant's work done in each time frame. The percentages entered for the four time frames must add up to 100%.)

December- February	<u>0</u>	June - August	<u>40</u>
March - May	<u>20</u>	September - November	<u>40</u>

Operating Schedule:

Hours/Day	<u>1</u>	Hours/Year	<u>150</u>
Days/Week	<u>5</u>	Weeks/Year	<u>30</u>

## § AIR POLLUTION CONTROL EQUIPMENT INFORMATION

A separate Section 5.0 must be completed for each piece of process equipment listed in Section 2.0. If a piece of equipment does not have pollution control equipment then the applicant should indicate that no control equipment is used.

§ 5.1 Process Equipment Identification: Lime Storage Trailer

§ 5.2 Primary Pollution Control Equipment or Description of Procedure: closed system - does not discharge into environment

§ 5.3 Proposed Operational Limitations: (if any) 20 TONS / hr.  
150 lbs / yr.

§ 5.4 Primary Air Pollution Control Equipment Identification: (if applicable)

Make	<u>Trail mobile</u>	Model	
Type	<u>Pneumatic</u>	Size	<u>20 TON</u>
Serial Number	<u>T40330</u>	Year of Manufacture	<u>1978</u>
Fuel Type	<u>electric</u>		
Estimated Control Efficiency	<u>N/A</u>		
Estimated Cost of Pollution Control Equipment	<u>N/A</u>		

§ 5.5 Emissions Control Analysis:

Provide a Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) Analysis as applicable. Address each regulated air pollutant.

§ 5.6 Stack Height and Dispersion Technique Analysis: (completed if modeling is required)

§ 5.7 Ambient Air Quality Impact Analysis:

§ 4.0 PROCESS EQUIPMENT/PROCESS INFORMATION

A separate Section 4.0 must be completed for each piece of process equipment listed in Section 2.0.

§ 4.1 Process Equipment Identification: Fuel Storage Tank

§ 4.2 Narrative Process Equipment/Process Description (attach additional sheets as necessary):  
Stores diesel Fuel - pumps diesel Fuel to  
The generator set & burner in the drum mixer

§ 4.3 Process Equipment Description:

Process Equipment Identification:

Make Butler Model \_\_\_\_\_  
Type Tank Size 9,000  
Serial Number 55101991M Year of Manufacture \_\_\_\_\_  
Fuel Type N/A

Emitting Unit Location: [Note: UTM coordinates are available on any USGS map]

Universal Transverse Mercator (UTM) Zone \_\_\_\_\_ Elevation (feet) \_\_\_\_\_  
UTM Easting Coordinate (nearest 0.01 km) \_\_\_\_\_  
UTM Northing Coordinate (nearest 0.01 km) \_\_\_\_\_

Stack Information: (if applicable)

Height (feet) \_\_\_\_\_ Diameter (feet) \_\_\_\_\_  
Exit Gas Temperature (°F) \_\_\_\_\_ Exit Gas Flow Rate (ACFM) \_\_\_\_\_  
Exit Gas Velocity (feet/second) \_\_\_\_\_

Process Information: (Indicate Units)

Type of Material Processed stores diesel Fuel  
Average Process Rate (tons/hr, gal/hr, etc.) \_\_\_\_\_  
Maximum Rated Design Process Rate (ton/hr, gal/hr, etc.) \_\_\_\_\_

Percent Annual Thruput: (Percent of the applicant's work done in each time frame. The percentages entered for the four time frames must add up to 100%.)

December- February 0 June - August 40  
March - May 20 September - November 40

Operating Schedule:

Hours/Day 10 Hours/Year 1400  
Days/Week 5 Weeks/Year 30

## § AIR POLLUTION CONTROL EQUIPMENT INFORMATION

A separate Section 5.0 must be completed for each piece of process equipment listed in Section 2.0. If a piece of equipment does not have pollution control equipment then the applicant should indicate that no control equipment is used.

§ 5.1 Process Equipment Identification: Fuel Storage Tank

§ 5.2 Primary Pollution Control Equipment or Description of Procedure: none

§ 5.3 Proposed Operational Limitations: (if any) none

§ 5.4 Primary Air Pollution Control Equipment Identification: (if applicable)

Make	<u>Butler</u>	Model	
Type	<u>Tank</u>	Size	<u>9,000</u>
Serial Number	<u>55121991 M</u>	Year of Manufacture	
Fuel Type	<u>N/A</u>		
Estimated Control Efficiency	<u>none</u>		
Estimated Cost of Pollution Control Equipment	<u>none</u>		

§ 5.5 Emissions Control Analysis:

Provide a Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) Analysis as applicable. Address each regulated air pollutant.

§ 5.6 Stack Height and Dispersion Technique Analysis: (completed if modeling is required)

§ 5.7 Ambient Air Quality Impact Analysis:

## § 6.0 INSTRUCTIONS ON PUBLIC NOTICE FOR AIR QUALITY PRECONSTRUCTION PERMIT

The applicant shall publish the following notification no earlier than 10 days prior to the date the applicant's air quality preconstruction permit application will be submitted to the Department, and no later than 10 days following the date of submittal. The notice shall be published **once** in the legal notice section of a newspaper of general circulation in the area affected. Any fees associated with publication of this notice are the responsibility of the permit applicant. Questions regarding an appropriate newspaper should be addressed to the Department. An Affidavit of Publication of Public Notice must be submitted with the application or the air quality preconstruction permit application will be deemed incomplete. This notice is required by the air quality rules. **The notice to be published consists of all text within the box below.**

PUBLIC NOTICE	
Notice of Application for Air Quality Preconstruction Permit (pursuant to Sections 75-2-211, and 75-2-215 MCA, and the Air Quality Rules).	
<i>has Filed</i> <small>has filed/will file</small>	<i>XYZ Contracting, Inc.</i> <small>Name of applicant(s)</small>
on or about	<i>4/11/07</i> <small>date</small>
an application for a air quality preconstruction permit or an alternation to an existing air quality preconstruction permit from the Montana Department of Environmental Quality (Department). Applicant(s) seeks approval of its application for:	
<i>Portable Asphalt Plant</i>	
<i>Located at SE 1/4 S16, T55, R1W, Madison County</i>	
<i>Approximately 3 miles north of Ennis on Highway 287 in existing gravel pit 2 miles north of mile marker 52, 300' east of Highway</i>	
<small>(brief description of source for which permit is being applied, and the site location including 1) a narrative description related to nearby towns, roads, landmarks, etc., and 2) the legal description of section, township, range, and county)</small>	
Within 40 days of the receipt of a completed application, the Department will make a preliminary determination whether the permit should be issued, issued with conditions, or denied. <u>Any member of the public with questions or who wishes to receive notice of the preliminary determination, and the location where a copy of the application and the department's analysis of it can be reviewed, or to submit comments on the preliminary determination, must contact the department at Department of Environmental Quality, Air Resources Management Bureau, Air Permitting Section Supervisor at P.O. Box 200901, Helena, Montana 59620-0901, telephone (406) 444-3490. Any comments on the preliminary determination must be submitted to the department within 15 days after the preliminary determination is issued.</u>	

**§ 7.0 CERTIFICATION OF ACCURACY AND COMPLETENESS**

**I hereby certify that, to the best of my knowledge, information and belief, formed after reasonable inquiry, the information provided in this permit application is true, accurate and complete.**

*(Name, title and signature of corporate officer, responsible official, authorized representative, or designated representative under Title IV 1990 FCAA.)*

Name <Name>  
(Print of Type)

Title <Title> Telephone 406-782-#

Signature <Signature> Date 4/10/07  
(Original Signature Required)



**Project and Site Informational Request**  
**Montana Department of Environmental Quality**  
Air Resources Management Bureau  
P.O. Box 200901, Helena, MT 59620-0901  
Telephone: (406) 444-3490 FAX: (406) 444-1499

**Instructions:** Please answer the questions listed below in reference to the current project proposed in the air quality permit application. Please attach additional pages if necessary. The Department will use the information to facilitate completion of an environmental analysis required under the Montana Environmental Policy Act (MEPA).

**Facility Name:**

*ABC Pit - existing gravel pit owned + operated by MNO Company*

1. Please summarize fish or wildlife habitat, animal or bird species, or any known migration or movement of animals at the project site.

*None*

2. Please describe any proposed discharges into surface water or onto the site; any changes in drainage patterns; any use of surface water and groundwater; and any potential impacts to wetlands.

*We will have no effect on surface water, drainage, groundwater.*

3. Please summarize the soils and geology of the project site. Include a description of any disruption, displacement, erosion, compaction, moisture loss, or over-covering of soil that would reduce productivity or fertility at the site. The description should include the amount of land disturbed in acres. Please describe any destruction or modification of any unique geologic or physical feature.

*We are putting our plant in an active gravel pit. We will be using existing facility areas and access roads. Our operations will not cause any additional disturbance.*

4. Please summarize the plant species (including types of trees, shrubs, grasses, crops, and aquatic plants) at the site. The applicant should include a description of any known unique, rare, threatened, or endangered plant species at the site. In addition, please describe the land use at the project site.

*Site is an active gravel pit. There are no plant species at the site.*

5. Please summarize the aesthetic character of the project site and of the surrounding community or neighborhood. Include a description of recreational opportunities. Also include a description of noise levels created by the proposed project.

*The plant will be in an active pit with other active crushing plants. The additional plant will not have any impact on the aesthetic character or recreation or noise levels in the existing area.*

6. Please describe any unique, rare, threatened, or endangered animal species that are at or near the site.

*NONE*

7. Please describe any upgrading of utilities that may result from power demands from this project.

*NONE*

8. Please describe any known historical, archaeological, or paleontological sites at the project site.

*NONE*

9. Please summarize other industrial activities at or near the site, or any other permits that you hold which are, or may be, in effect at this site.

*A.M. Welles has stockpiles and screening plants in the pit.*

10. Please indicate the number of employees currently employed and the increase or decrease in the number of people employed at the site as a result of the proposed project.

*We will employ 2 people at the proposed site.*

11. Please describe any unique cultures in the area that may be affected by the proposed application.

*NONE*

12. Please summarize any access to recreational or wilderness activities near the project site.

*NONE*

13. Please describe any state, county, city, United States Forest Service (USFS), Bureau of Land Management (BLM), or tribal zoning or management plans and goals that might affect the site.

*NONE*

14. Please indicate who owns the land at the proposed project site.

*A.M. Welles*

15. Please indicate the approximate distance to the nearest home or structure not associated with the project site.

*The lumber yard on the north end of Emis is approximately 2.5 miles south of proposed site.*